TOSHIBA

Satellite® A10 Series

Great Features and Performance at a Value Price

Feature Model(s): Part Numbers

Satellite A10-S169

P4 2200/15.0"XGA/256MB/40GB/DVD-CDRW/Mdm/LAN/WinXP Pro — PSA10U-01SV67

Satellite A10 Small Business Series

P4 2200/15.0"XGA/256MB/40GB/DVD-CDRW/Mdm/LAN/WinXP Pro/Office XP SB (Small Business) — PSA10U-01SV67W
P4 2200/15.0"XGA/256MB/40GB/DVD-CDRW/Mdm/LAN/WinXP Pro/Office XP Pro (Professional) — PSA10U-01SV67X

Product Highlights

Performance

- Mobile Intel® Pentium® 4 Processor-M at 2.20GHz
- 256MB of Main Memory (Expandable to 1024MB)

Great Features

- 40GB* hard disk drives
- DVD-ROM/CDRW multi-function drive
- 15.0" TFT active-matrix screen display

Get On-Line

- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- *Optional:* Integrated Wireless LAN

System Characteristics

CPU

- Mobile Intel® Pentium® 4 processor-M at 2.20GHz**

L2 Cache

- 512KB Level 2 cache memory integrated on die
- 400MHz Processor System Bus Clock Speed

Memory

- 256MB (1 DIMM) expandable to 1024MB (*Both slots may be occupied*)
- Expansion memory: 128MB/256MB/512MB, SODIMM, PC2100 DDR
- **Data/Address Bus Width:** 64bit/32bit
- Intel® 852GM Chipset

Mass Storage

- **Primary Hard Disk Drive**: 40GB* hard disk drives, Enhanced IDE (ATA-5) interface, 4200rpm drive rotation; 9.5mm height, 0.2lbs, Service Removable
- **DVD-ROM/CDRW Multi-function Drive**: Enhanced IDE (ATAPI) Interface; Maximum speed: CD-R(24x), CD-RW(10x), CD-ROM(24x), DVD-ROM(8x); Compatibility: CD-ROM, CD-R (read/write), CD-RW (read/re-write), DVD-ROM, DVD-R (read only), DVD-RW (read only); Service removable
- Software Decoder: InterVideo (WinDVD®)

Graphics/Video

- 15.0" TFT active-matrix display; internal display supports up to 16M colors at 1024 x 768
- Intel® 852GM Integrated graphics controller; 32MB internal shared video memory
- Direct 3D support and DirectVideo
- External Color Support/Refresh rate: Non-Interlaced @16M
  640 x 480: 60/75/85/100Hz
  800 x 600; 60/75/85/100Hz
  1024 x 768; 60/75/85/100Hz
  1280 x 1024; 60/75/85/100Hz
  1600 x 1200; 60/75/85Hz
  1920 x 1440; 60/Hz

Input Devices

Keyboard: Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® keys support; HotKey function; TouchPad pointing device

Expandability

- 2 Memory slots – *Both slots may be occupied*
- 1 PC Card slot support 1 Type II PC Card

Communications

- Integrated V.92/56K modem; Data and fax support

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will vary depending on line conditions.

- Integrated 10/100 Ethernet LAN
- ***Optional*:** Integrated Wireless LAN

Ports

- ECP parallel printer port
- RGB (monitor) port
- 2 Universal Serial Bus ports (USB)
- RJ-45 LAN Port
- RJ-11 modem port

Physical Description

- Dimensions (LxWxH): 13.0" x 11.5" x 1.5"
- Weight: 6.3lbs
- LED Indicators: Power, Power Save Mode, HDD, CD/DVD-ROM, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, System Sleep / Suspend status, Wireless Communication switch

Sound

- Analog Devices AD1981 Codec Chip; Software Sound; Sound Blaster Pro compatibility
- Built-in stereo speakers; Direct 3D Sound, DirectSound (supported by driver) and DirectMusic; MIDI Support; Sound Volume (by Dial);
  Ports: External Microphone port, headphone port

Power Supply

- **AC Adapter:** 75W external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 15V x 4A Output.
  Dimensions (LxWxH): 5.3" x 2.0" x 1.1
  Weight: 0.8lbs
- **Battery Pack:** 6-cell, rechargeable, removable Lithium Ion (Li-Ion) battery, 3600mAh
- Battery Saver (in Windows XP): Stand by, HDD Auto Off, Display Auto Off, Throttling, Hibernation
- Battery life (main batt): 3:32H ***
- Recharge time (main off/on): 2.6H/4-11H+

Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack or see information on accessories shipping with your computer, visit the Toshiba website at www.accessories.toshiba.com

Security

- Slot for computer lock, Main Battery Pack (sliding lock), HDD (three screws) and memory (by screw only), User Power-on password, Setup Security (by help of SVPW utility), CPU serial No. security (By help of SVPW utility), Keyboard Lock (by HotKey), Screen Blank (by Hotkey), Screen Saver (by software)

Bios

- TSETUP, APM, ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PC BIOS support

Operating System

- **Microsoft® Windows XP Pro** pre-installed
- Windows 2000 component drivers on the web

Additional Software

- **Microsoft® Office XP Professional** (See Product/Part Numbers below)
- **Microsoft® Office XP Small Business** (See Product/Part Numbers below)
- Toshiba Notebook Maximizer
- Intuit® Quicken® New User Edition 2003
- Norton® AntiVirus™ 2003 – w/3 Month Subscription
- AOL® (3 –Month offer)

AOL OFFER DETAILS: Availability may be limited, especially during peak

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times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.

- Adobe® Acrobat Reader
- AT&T® Worldnet® Service – 1 Month FREE

Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only. Offer expires 4/30/04.

- Microsoft Internet Explorer
- Toshiba ConfigFree™ Software
- Toshiba Custom Utilities
- ***Toshiba Great Software Offer*:** Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80%; Non-operating: 10% to 90%
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating: -60 to 10,000 meters
- **Shock:** Operating: 1.5G; Non-operating: 60G
- **Vibration:** Operating: 0.25G; Non-operating: 1.0G

SelectServ® Warranty Programs

SWP-PEQQ3V	Warranty Extension to 3 Years
SWP-PEGQ3V	3 Year SystemGuard
SWP-PEQX3V	3 Year Depot Express
SWP-PEGX3V	3 Year SystemGuard + Depot Express
SWP-PEQN3V	3 Year Business On-Site Repair; Next Day Business Day Response
SWP-PEGN3V	3 Year SystemGuard + Business On Site Repair, Next Business Day Response

Product/Part Numbers

Satellite A10-S169 (Win XP Pro)	PSA10U-01SV67
Satellite A10 Small Business Series (Office XP Professional)	PSA10U-01SV67X
Satellite A10 Small Business Series (Office XP Small Business)	PSA10U-01SV67W

Selected Accessories

Toshiba Accessories

PA3283U-1ACA	Global AC Adapter (75W)
PA3285U-1BRS	Primary Battery Pack
PA3091U-1CHG	Battery Charger
PA1326U-1NCS	Toshiba Blue Backpack
PA1328U-1NCS	Toshiba Executive Leather
PA1333U-1NCS	Toshiba Executive Nylon
PA3109U-1FDD	USB Floppy Disk Drive
PA3212U-3MPCR	Mini PCI Wireless LAN (Agere 802.11b)

Kingston Memory

KTT3614/128	Kingston 128MB Memory Module
KTT3614/256	Kingston 256MB Memory Module
KTT3614/512	Kingston 512MB Memory Module

Targus Cases-Security

NWCC52	Targus-Noteworthy Global Traveler
NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock

CMS Storage Devices

TNUABS2-40.0	CMS Automatic Backup USB 2.0 40GB

Other Accessories

* Go to www.accessories.toshiba.com for additional, available accessories

*GB = 1 Billion Bytes

***** Central Processing Unit ("CPU") Performance Disclaimer:***

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

**** **TFT Display Disclaimer:** Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-filmtransistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Subject to Change

While Toshiba has made very effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at pcsupport.toshiba.com.

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*** Business Winstone® 2002 BatteryMark™ Version 1.0

These models achieved the battery life times shown using Ziff Davis Media Inc.'s Business Winstone® 2002 BatteryMark™ Version 1.0. These tests were performed without independent verification by the VeriTest testing division of Lionbridge Technologies, Inc. ("VeriTest"). Neither Ziff Davis Media Inc. nor VeriTest makes any representations or warranties as to the results of the tests. Winstone® is a registered trademark and BatteryMark™ is a trademark of Ziff Davis Publishing Holdings Inc. in the U.S. and other countries. Copyright 2002 Ziff Davis Media Inc. All Rights Reserved. All products used in the tests were shipping versions available to the general public. The battery life results were achieved running the Business Winstone® 2002 BatteryMark™ Version 1.0 on the following system parameters. System parameters were set according to Ziff Davis Media Inc.'s recommendations.

Business Winstone® 2002 BatteryMark™ Version 1.0

Battery Life	Catalog Spec (1st)	**3:32**
	(1st+2nd)	**-**
	Number of Conditioning Phase	**1**
	Life Test Run	**3**

A	CPU Name		**Intel® Mobile Pentium®4-M**
	Processor info	speed	**2.2GHz**
		number of processors	1
	amount of RAM		**256MB**
	Amount of secondary RAM cache		**512KB (L2 Cache)**

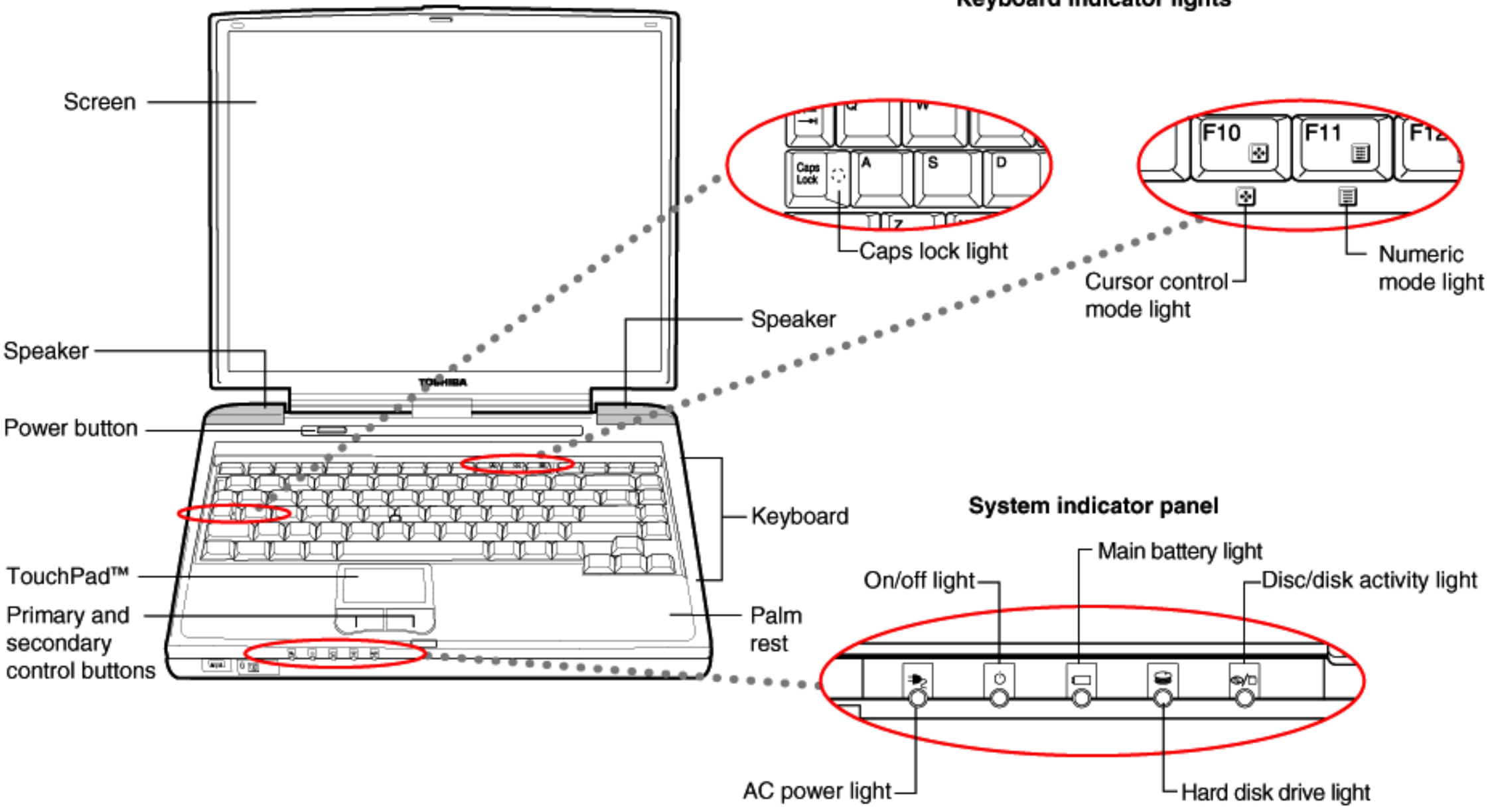
B	Battery	type(1st)	Li-Ion (Graphite)
			10.8V x 4,400mAh
		model number(1st)	**PA3285U-1BAS/1BRS**
		type(2nd)	-
			-
		model number(2nd)	-
		number of batteries	-

C	Graphics	Intel® 852GM
	amount and type of RAM	16-64MB
		DDR
	graphics driver name and version	
	graphics resolution and color depth, refresh rate	**1024x768/64K/60Hz**

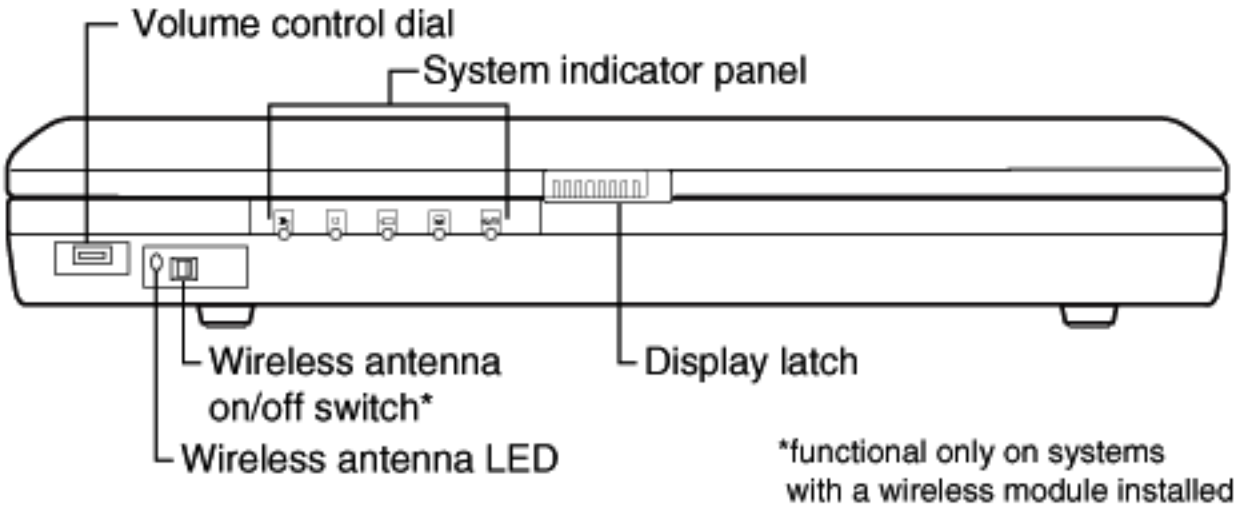
D	hard disk capacity	**30GB**
	hard disk file system & transfer mode	Enhanced IDE (ATA-5)
	hard disk controller model	852GM+ICH4
	size of hardware cache if any	N/A

E	operating system version, service pack	WinXP
	other special conditions	N/A

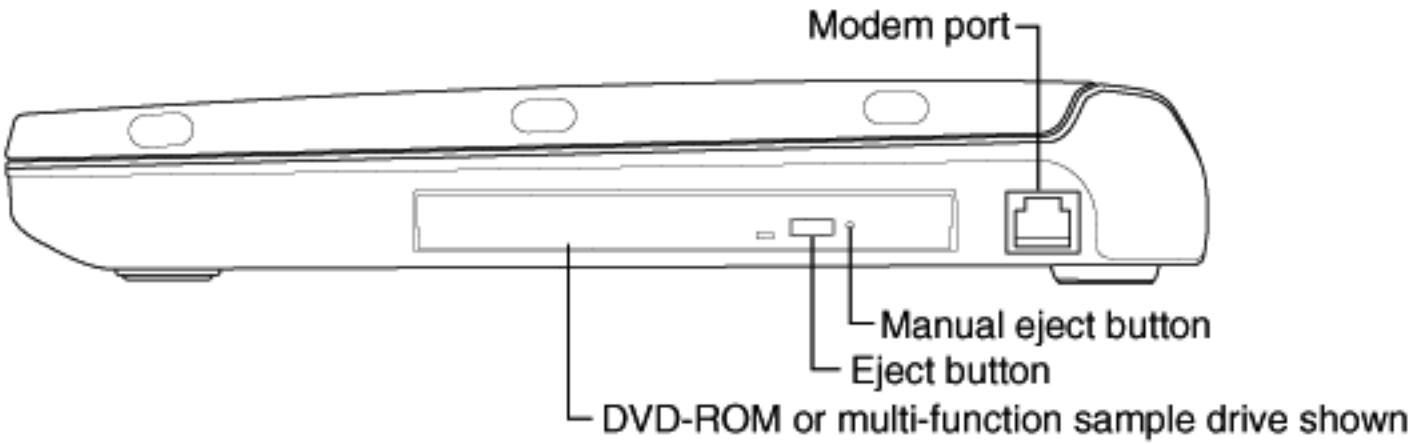
Front with display open



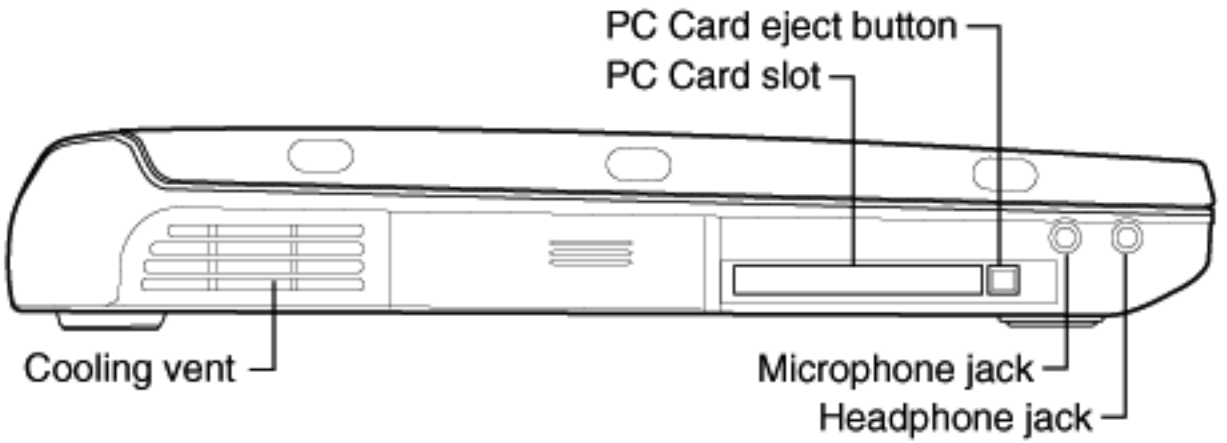
Front with display closed

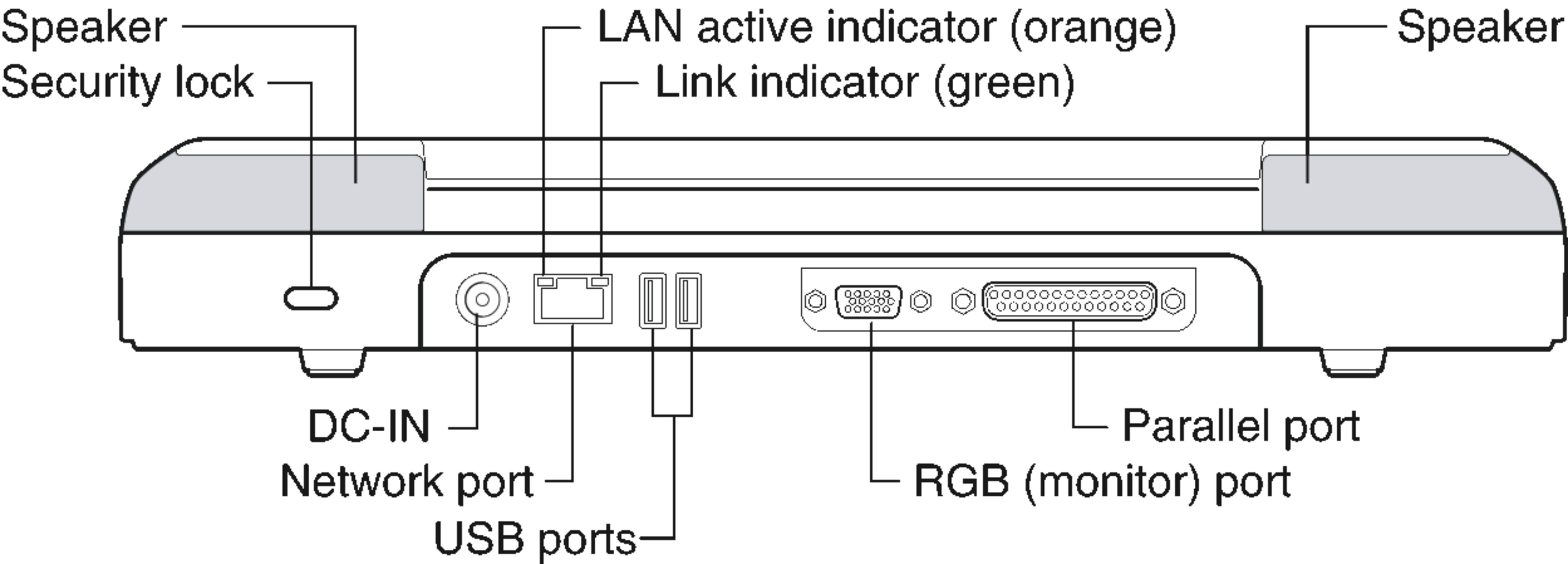

Volume control dial
System indicator panel
Wireless antenna on/off switch*
Wireless antenna LED
Display latch
*functional only on systems with a wireless module installed

Right side

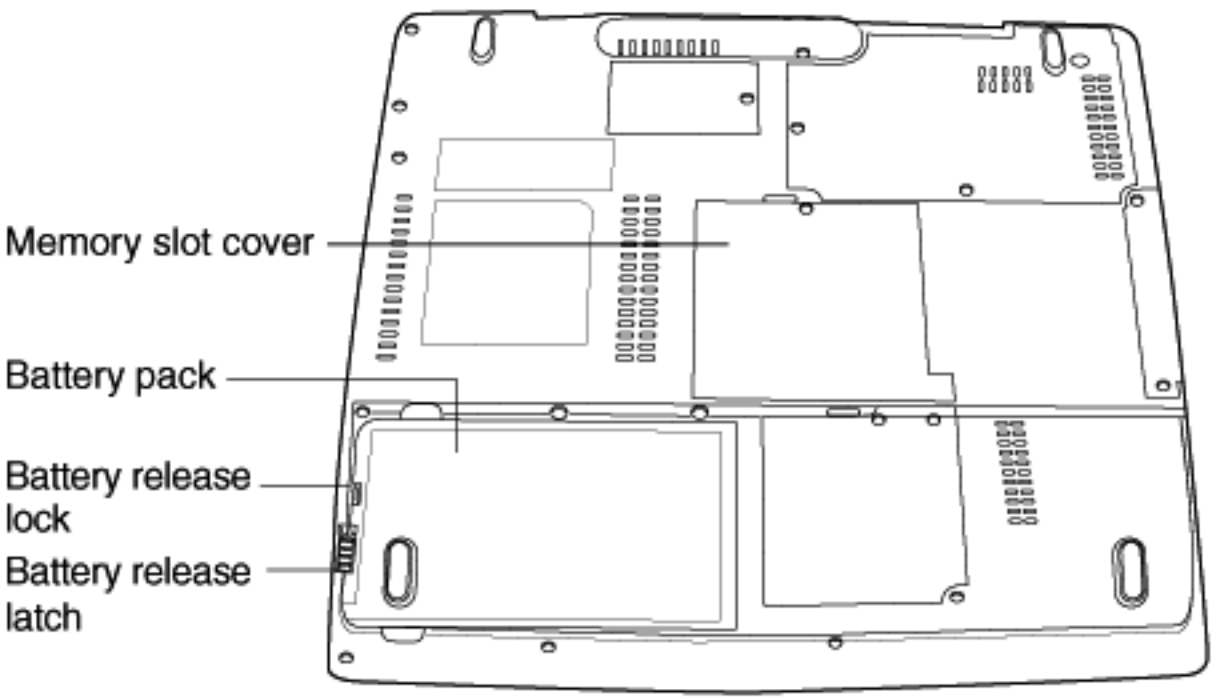

Modem port
Manual eject button
Eject button
DVD-ROM or multi-function sample drive shown

Left side


PC Card eject button
PC Card slot
Cooling vent
Microphone jack
Headphone jack


Speaker
Security lock
LAN active indicator (orange)
Link indicator (green)
Speaker
DC-IN
Network port
USB ports
Parallel port
RGB (monitor) port

Underside


Memory slot cover
Battery pack
Battery release lock
Battery release latch